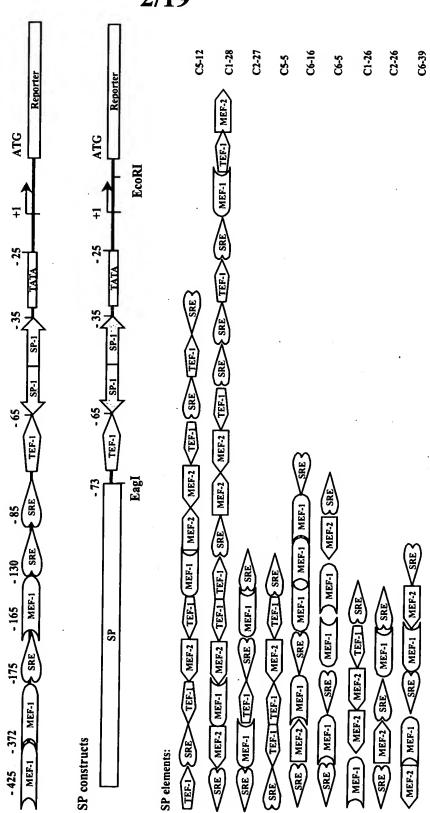
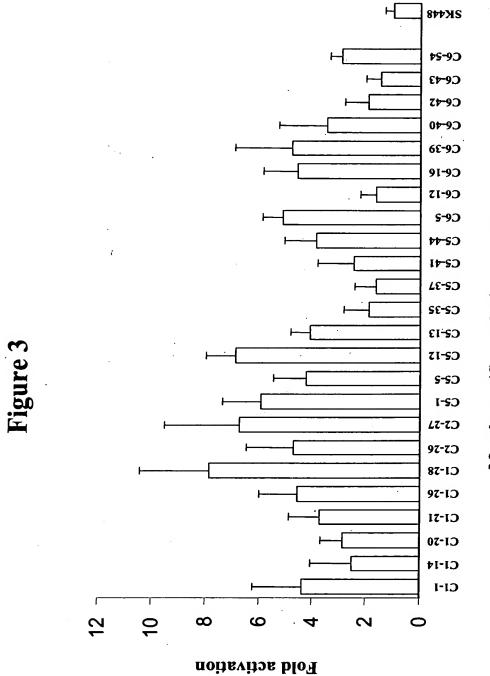
Figure 1

	<u>a</u>	Pools of	re gulator	of regulatory elements	tts	
Ele ment		2	3	4	5	9
	1	4		1	1	4
	. 1	1	4	-	-	1
	1	1	1	4		4
	_	1		1	4	1



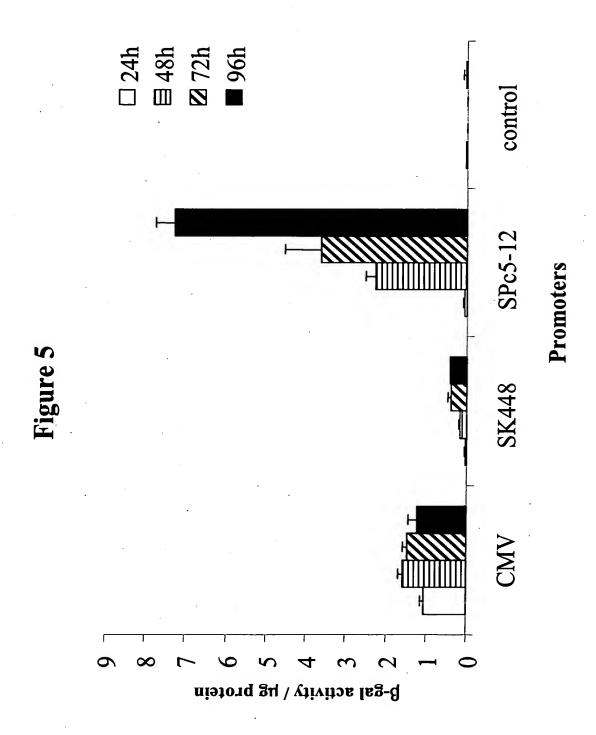
SK 448 constructs





Muscle specific synthetic promoters

Figure 4



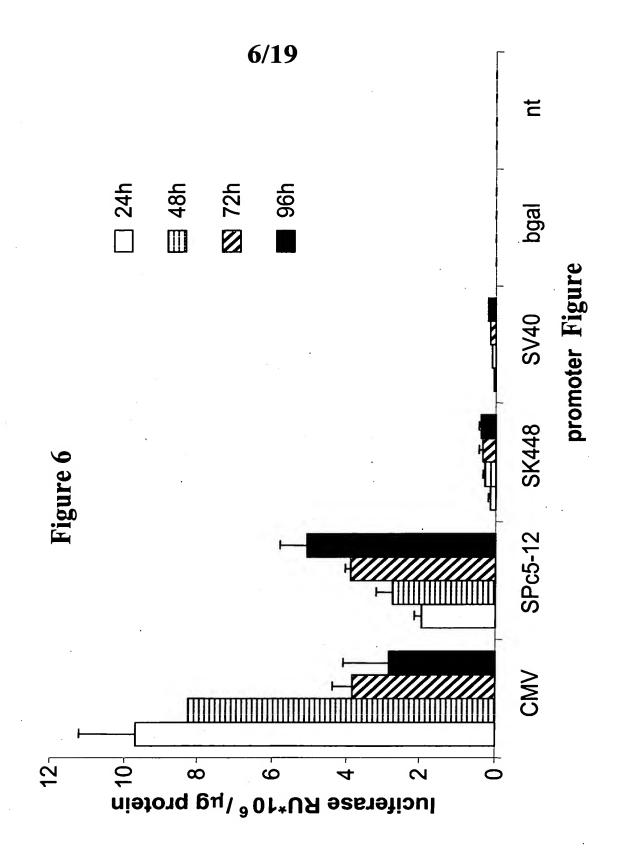
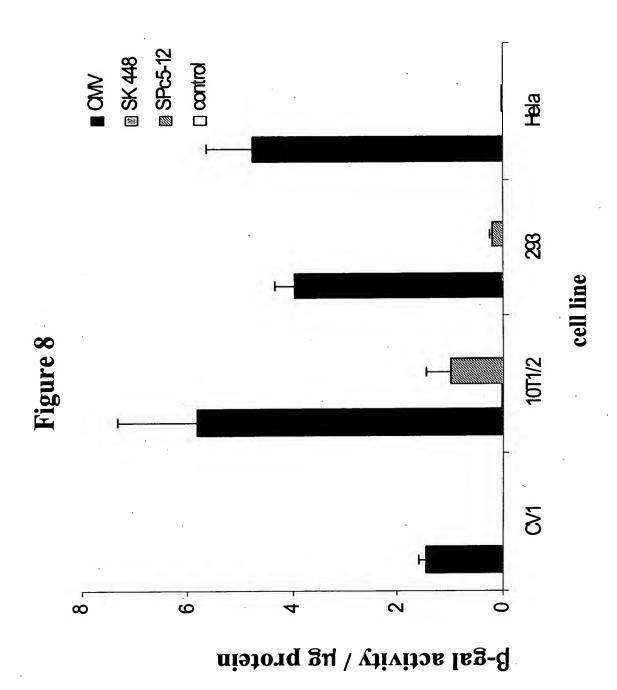
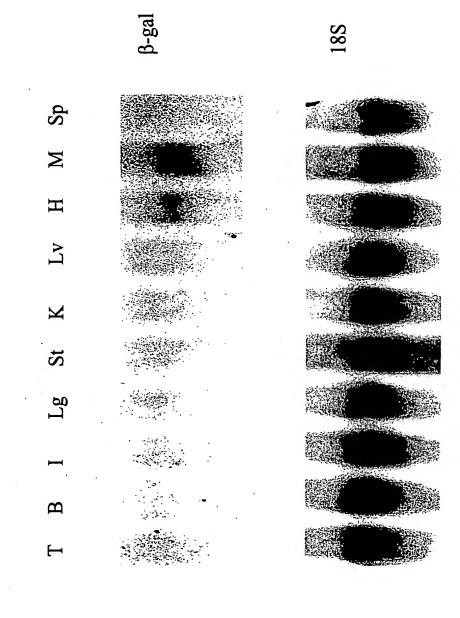
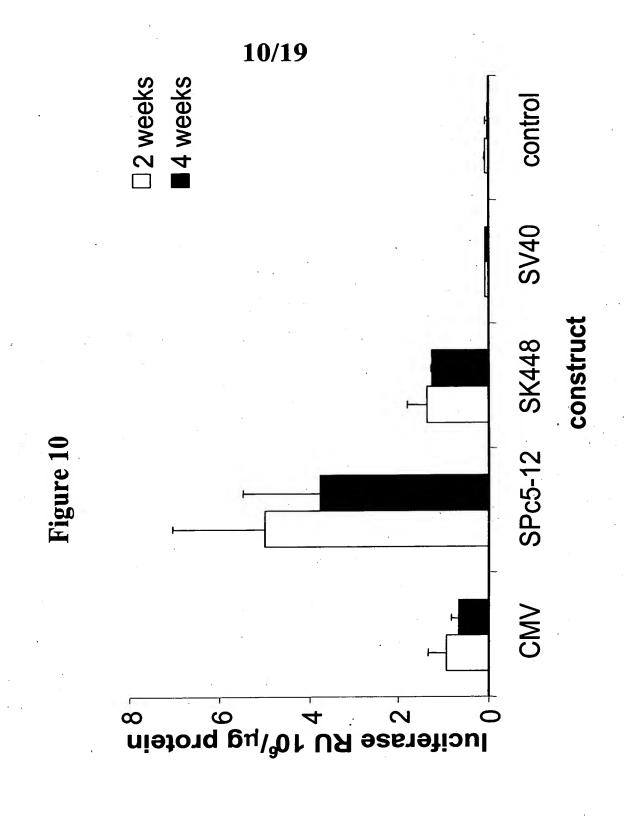


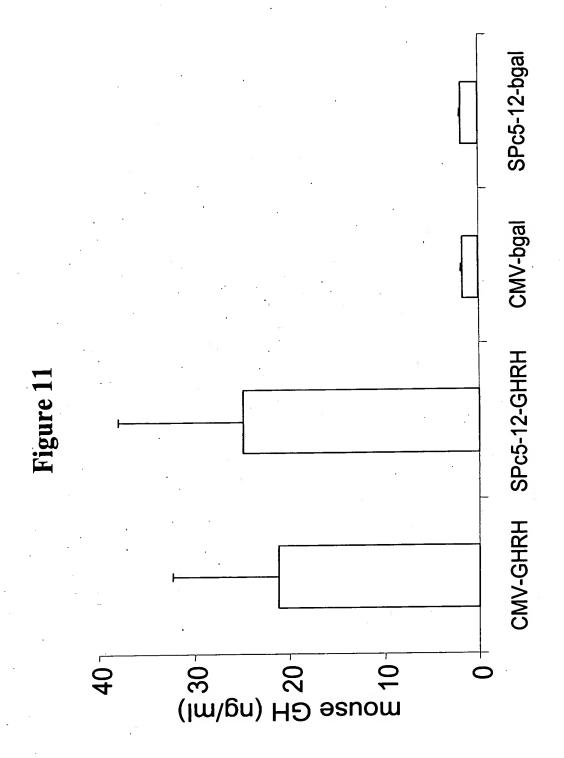
Figure 7

	24 hours	48 hours	72 hours	96 hours
CMV	9.706	8.240	3.832	2.846
SPc5-12	1.957	2.757	3.893	5.070
SK448	0.167	0.304	0.356	0.383
SV40	0.064	0.112	0.136	0.182
bgal	0.000	0.002	0.003	0.003
ŗ	0.001	0.002	0.002	0.003









	c1-26					
			MEF-1	TEF-1-	MEF-2	
	cggccgagg	g cggcgg <mark>ggca ggca</mark>			deg etetaaaaat	60
	aactcccgt	TEF-1 aggaatggtg ccgt	← SRE cgccat atttg		SRE	120
	← T		MEF-1		→ MEF	
		a tggtgggcag gcag				
	MEF-1	← M		MEF-2	◆ TEF-	
	acctgctgc	tgccgggagt tatt	tttaga geggg	gagtt atttta	gag cggtgaggaa	240
	tggtggaca	SRE	ggleegg ggeeg	cattc ctqqqqq	cca aacaatactc	300
		cgataaaagg ctcc				
			333300 33033	eggee caegage	cac ccggaggagc	
	gggaggcgc	: aagctctaga				380
•		EagI				
		EclXI				
		McrI				
		XmaIII				
~		BsiEI				
	1	GGCGGCCGAG GGCGG	TGGGG CAGGCAG	SCAG GTGTTGGC	እር ር <u>ል</u> ሞሞርር <u></u> ቸርልር (ግር ርጥር ጥል ል ል ል
Figure		CCGCCGGCTC CCGCC			G GTAAGGAGTG	
3			,		HincII	
<u>:</u>) .				HindII	
4					SalI	
					TaqI	
					AccI.	
	61	ATAACTCCCG TGAGG				
		TATTGAGGGC ACTCC	TTACC ACGGCAC	GCGG TATAAACCC BsmFI		TTTATACCGC
	121	ACGGGTGAGG AATGG	GGGC AGGCAGG	CAGG TGTTGGGAC	LA CCCAAATATG (GCGACGGCCA
	181	TGCCCACTCC TTACCA ACACCTGCTG CCTGCC				
		TGTGGACGAC GGACG		AAAT CTCGCCCCT	C AATAAAAATC 1	CCGCCACTCC BmyI
			~-		BD77	~~~
				elxi 	ECORII	BsiHKAI ~~~~
				EagI	BstNI ~~~~	Bsp1286I
				crI	MvaI	HgiAI ~~~~
					mI ~~~~	AspHI
		AATGGTGGAC ACCCAA TTACCACCTG TGGGTT BmyI	ATAT GGCGACG	GCC GGGGCCGCA	T TCCTGGGGGC C	GGGCGGTGC
		BsiHKAI	•	NgoMI		
		 Bsp1286I		CfrlOI		
		 IgiAI		NaeI		

GCTCGATGGG CCTCCTCGCC CTCCGCGGTT CGAGATCT

SRE MEF-1→ SRE→ GGCCGCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	c2-27				
### TEF-1 MEF-1	02 2.	← SRE	MEF-1	SRE-	
gccgcattcc tgggggccgg gcggtgctcc cgcccgcctc gataaaalggc tccgggggccg 180 gccgcattcc tgggggccgg gcggtgctcc cgcccgcctc gataaaalggc tccggggccg 180 gcggcggccc acgagctacc cggaggagcg gagggcgca agctctaga 229 EagI	ggccgtcgc	c atatttgggt gtccaac	ac tgctgcctgc cga	cacccaa atatggcgac	60
gccgcattcc tgggggccgg gcggtgctcc cgcccgcctc gataaaaggc tccggggccg 180 gccgcattcc tgggggccgg gcggtgctcc cgcccgcctc gataaaaggc tccggggccg 180 gcggcggccc acgagctacc cggaggagcg gagggcgca agctctaga 229 EagI		mnn 1 - Nnn 1 -		nn -	
gccgcattcc tgggggccg gcggtgctcc cgccgcctc gataaaaggc tccggggccg 180 gcggcggccc acgagctacc cggaggagcg ggaggcgca agctctaga 229 EagI BsmFI CGGCCGTCGC CATATTTGG TGTCCCAACA CTGCTGCCTG CCGACACCCA AATATGGCGA GCCGGCAGCG GTATAAACCC ACAGGTTGT GACGACGGAC GGCTGTGGGT TTATACCGCT HphI BspMI EagI CGGCTGAGGA ATGGTGCCAA CACCTGCTGC CTGCCGACAC CCAAATATGG CGACGCCGG GCCCACTCCT TACCACGGTT GTGGACGACG GACGGCTGTG GGTTTATACC GCTGCCACAC GCCCACTCCT TACCACGGTT GTGGACGACG GACGGCTGTG GGTTTATACC GCTGCCGCC GCCCACTTCT GTGACGACGC GACGGCTGTG GGTTTATACC GCTGCCGCC GCCCACTTCTTTACACCGCT GACGACGCCCGC GACGGCCCCGCC CCGCCACGAG GGCGGCGGA GCTATTTTCC GAGGCCCCGGC CCGCGCGCT CCATAAAAGG CTCCGGGGCC CCGCGCTACGAG GGCGGCGGA GCTATTTTCC GAGGCCCCGG CCGCGCACGAG GGCGGCGGA GCTATTTTCC GAGGCCCCGG CCGCCACGAG GGCGGCGGA GCTATTTTCC GAGGCCCCGG CCGCACGAG GGCGGCGGAGCGGA					120
EagI BsmFI 1 CGGCCGTCGC CATATTTGGG TGTCCCAACA CTGCTGCCTG CCGACACCCA AATATGGCGA GCCGGCAGGG GTATAAACCC ACAGGGTTGT GACGACGGAC GGCTGTGGGT TTATACCGCT HphI	339534334	a tagegoedde deetgeeg	ce egeogacace caa	acacyge gacygceggg	120
EagI BsmFI 1 CGGCGTCGC CATATTTGGG TGTCCCAACA CTGCTGCCTG CCGACACCCA AATATGGCGA GCCGGCAGGG GTATAAACCC ACAGGGTTGT GACGACGGAC GGCTGTGGGT TTATACCGCT HphI BspMI EagI 61 CGGGTGAGGA ATGGTGCCAA CACCTGCTGC CTGCCGACAC CCAAATATGG CGACGGCCGG GCCCACTCCT TACCACGGTT GTGACGACGG GACGGCTGTG GGTTTATACC GCTGCCGACCG GCCCACTCCT TACCACGGTT GTGACGACG GACGGCTGTG GGTTTATACC GCTGCCGGCC BmyI EcoRII BsiHKAI NgoMI BstNI Bsp1286I Cfr101 MvaI HgiAI NaeI BsmI AspHI TaqI BsrFI 121 GGCCGCATTC CTGGGGGCCG GGCGGTGCTC CCGCCCGCCT CGATAAAAGG CTCCGGGGCC CCGCCACGAG GGCGGGGGGGG GCTATTTTCC GAGGCCCCGGG BsaHI Cfr10I CfoI HaeII HhaI NaeI KasI MaeI NgoMI NarI XbaI BsrFI BsrBI AcyI BfaI 181 GGCGGCGGCC CACGAGCTCC CCGGAGGAGC GGAGGCCCC AACCTCTAGA	gccgcattc	c tgggggccgg gcggtgct	cc cgcccgcctc gate	aaaaggc teeggggeeg	180
1 CGGCCGTCGC CATATTTGGG TGTCCCAACA CTGCTGCCTG CCGACACCCA AATATGGCGA GCCGGCAGCG GTATAAACCC ACAGGGTTGT GACGACGGAC GGCTGTGGGT TTATACCGCT HphI BspMI EagI CGGGTGAGGA ATGGTGCCAA CACCTGCTGC CTGCCGACAC CCAAATATGG CGACGGCGG GCCCACTCCT TACCACGGTT GTGGACGACG GACGGCTGTG GGTTTATACC GCTGCCGGCC BmyI ECORII BsiHKAI NgMI BstNI Bspl2861 Cfr101 MvaI HgiAI Naei BsmI AspHI TaqI BsrFI 121 GGCCGCATTC CTGGGGGCCG GGCGGTGCTC CCGCCCGCCT CGATAAAAGG CTCCCGGGCC CCGCCCGGCC CCGCCCACGG GGCGGGCGG	gcggcggcc	c acgagetace eggaggag	cg ggaggcgcca agct	ctaga	229
1 CGGCCGTCGC CATATITGGG TGTCCCAACA CTGCTGCCTG CCGACACCCA AATATGGCGA GCCGGCAGCC GTATAAACCC ACAGGTTGT GACGACGGAC GGCTGTGGGT TTATACCGCT HphI BspMI EagI CGGGTGAGGA ATGGTGCCAA CACCTGCTGC CTGCCGACAC CCAAATATGG CGACGGCCGG GCCCACTCCT TACCACGGTT GTGGACGACG GACGGCTGT GGTTATACC GCTGCCGGCC BmyI EcoRII BsiHKAI NgoMI BstNI Bspl2861 Cff101 MvaI HgiAI TaqI BsrFI 121 GGCCGCATTC CTGGGGGCCG GGCGGTGCT CCGCCCGCT CGATAAAAGG CTCCGGGCCC CCGGCGTAAG GACCCCCGGC CCGCCACGAG GGCGGGCGGA GCTATTTCC GAGGCCCCGG CCGCCACGAG GGCGGGCGGA GCTATTTCC GAGGCCCCGGC CCGCCACGAG GGCGGGCGGA GCTATTTTCC GAGGCCCCGG CCGCCACGAG GGCGGGCGGA GCTATTTTCC GAGGCCCCGG CCGCCACGAG GGCGGGCGGA GCTATTTCC GAGGCCCCGG CCGCCACGAG GGCGGCGGA GCTATTTTCC GAGGCCCCGG CCGCCACGAG GGCGGCGCGA GCTATTTCC GAGGCCCCGGC CCGCCACGAG GGCGGCGGAG GCTATTTCC GAGGCCCCGGC CCGCCACGAG GGCGGCGCGA GCTATTTCC GAGGCCCCGG CCGCACGAG GGCGGCGCGA GCTATTTCC GAGGCCCCGGC CCGCCACGAG GCTATTTCC GAGGCCCCGGC CCGCCACGAG GGCGGCGCGA GCTATTTCC GAGGCCCCGGC CCGCCACGAG GCCGCACGAG GCCCCGGCCCCGG GAGGCCCCGGC CCGCCACGAG GGCGGGCG		EagI			
HphI BspMI EagI CGGGTGAGGA ATGGTGCCAA CACCTGCTGC CTGCCGACAC CCAAATATGG CGACGGCCGG GCCCACTCCT TACCACGGTT GTGGACGACG GACGGCTGTG GGTTTATACC GCTGCCGACC BmyI ECORII BsiHKAI NgoMI BstNI Bsp12861 Cfr101 MvaI HgiAI TaqI BsrFI 121 GGCCGCATTC CTGGGGGCCG GGCGGTGCTC CCGCCGCCC CCGGCCGCCCCCCCC	1	CGGCCGTCGC CATATTTGG		GCCTG CCGACACCCA	AATATGGCGA
GCCCACTCCT TACCACGGTT GTGGACGAC CCAAATATGG CGACGGCCGG GCCCACTCCT TACCACGGTT GTGGACGACG GACGGCTGTG GGTTTATACC GCTGCCGGCC BmyI ECORII BSiHKAI NgoMI BSHNI BSp1286I Cfr10I BSMI ASPHI TaqI BSFFI 121 GGCCGCATTC CTGGGGGCCG GGCGGTGCTC CCGCCCGCCT CGATAAAAGG CTCCGGGGCC CCGCCGGCTAAG GACCCCCGGC CCGCCACGAG GGCGGGCGAG GCTATTTCC GAGGCCCCGG CCGGCGTAAG GACCCCCGGC CCGCCACGAG GGCGGGGGAG GCTATTTTCC GAGGCCCCGG HaeII NaeI NaeI KasI MaeI NgoMI NarI XbaI BSFFI BSFBI ACYI BfaI 181 GGCGGGGCCC CACGAGCTAC CCGGAGGACC GGAAGCCTCTACA	_				
BmyI EcoRII BsiHKAI NgoMI BstNI Bspl286I Cfr10I BsmI AspHI TaqI BsrFI 121 GGCCGCATTC CTGGGGGCCG CCGCCACGAG GGCGGCGGA GCTATTATCC GAGGCCCGGC CCGGCGTAAG GACCCCGGC CCGCCACGAG GGCGGGCGA GCTATTTCC GAGGCCCCGGC BsaHI Cfr10I CfoI HaeII NaeI KasI MaeI NgoMI NarI XbaI BsrFI BsrFI AcyI BfaI GGCGGCGCC CACGAGCTAC CCGGAGGAGCC CAGGAGGCCCC AAGCTCTAGA		HphI	BspMI		EagI
BSHI BSP1286I Cfr10I BSMI ASPHI TAQI BSFFI 121 GGCCGCATTC CTGGGGGCC GGCGTGCTC CCGCCGCCT CGATAAAAGG CTCCGGGGCC CCGCCACGAG GGCGGAGGCGA GCTATTTCC GAGGCCCCGG CF10I CfoI HaeII NaeI HinPlI NaeI KasI MaeI NgoMI NarI XbaI BSFFI BSFBI ACYI BfaI GGCGGCGCC CACGAGCTAC CCGGAGGAGC CAGGAGGCCC AAGCTCTAGA	61				
BSHI BSHIANI TAQI BSFII 121 GGCCGCATTC CTGGGGGCCG GGCGGTGCTC CCGCCCGCCT CGATAAAAGG CTCCGGGGCC CCGCCACGAG GGCGGGA GCTATTTCC GAGGCCCCGGC CCGCCT CGATAAAAGG CTCCGGGGCC CCGCCACGAG GGCGGGCGA GCTATTTCC GAGGCCCCGG CCGCCT CGATAAAAGG CTCCGGGGCC CCGCCACGAG GGCGGCGAG GCTATTTCC GAGGCCCCGG CCGCCGCCGCCT CGATAAAAGG CTCCGGGGCC CCGCCACGAG GGCGGCGAG GCTATTTTCC GAGGCCCCGG CCGCCGCCGCCT CGATAAAAGG CTCCGGGGCC CCGCCGCCGCCT CGATAAAAGG CTCCGGGGCC CCGCCGCCGCCT CGATAAAAGG CTCCGGGGCC CCGCCGCCGCCCGCCCGCCCGCCCGC	-	•	BmvI		
BsmI AspHI TaqI BsrFI 121 GGCCGCATTC CTGGGGGCCG GGCGGTGCTC CCGCCCGCCT CGATAAAAGG CTCCGGGGCC CCGGCGTAAG GACCCCCGGC CCGCCACGAG GGCGGGCGGA GCTATTTCC GAGGCCCCGG CCGCCACGAG GGCGGGCGA GCTATTTTCC GAGGCCCCGG CCGCCACGAG GGCGGCGA GCTATTTTCC GAGGCCCCGG Haali Cfr10I CfoI HhaI HhaI NaeI KasI MaeI NgoMI KasI MaeI BsrFI BsrBI AcyI BfaI GGCGCGCGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA			~~~~~		
BsmI AspHI TaqI BsrFI 121 GGCCGCATTC CTGGGGGCCG GGCGGTGCTC CCGCCCGCCT CGATAAAAGG CTCCGGGGCC CCGGCGTAAG GACCCCCGGC CCGCCACGAG GGCGGGCGGA GCTATTTCC GAGGCCCCGG CCGCCACGAG GGCGGGCGA GCTATTTTCC GAGGCCCCGG CCGCCACGAG GGCGGCGA GCTATTTTCC GAGGCCCCGG Haali Cfr10I CfoI HhaI HhaI NaeI KasI MaeI NgoMI KasI MaeI BsrFI BsrBI AcyI BfaI GGCGCGCGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA		EcoRII	BsiHKAI		NgoMI
BsmI AspHI TaqI BsrFI 121 GGCCGCATTC CTGGGGGCCG GGCGGTGCTC CCGCCCGCCT CGATAAAAGG CTCCGGGGCC CCGGCGTAAG GACCCCCGGC CCGCCACGAG GGCGGGCGGA GCTATTTCC GAGGCCCCGG CCGCCACGAG GGCGGGCGA GCTATTTTCC GAGGCCCCGG CCGCCACGAG GGCGGCGA GCTATTTTCC GAGGCCCCGG Haali Cfr10I CfoI HhaI HhaI NaeI KasI MaeI NgoMI KasI MaeI BsrFI BsrBI AcyI BfaI GGCGCGCGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA	Ħ	~~~~	~~~~~~	•	~~~
BsmI AspHI TaqI BsrFI 121 GGCCGCATTC CTGGGGGCCG GGCGGTGCTC CCGCCCGCCT CGATAAAAGG CTCCGGGGCC CCGGCGTAAG GACCCCCGGC CCGCCACGAG GGCGGGGGGA GCTATTTCC GAGGCCCCGG CCGCCACGAG GGCGGGGA GCTATTTCC GAGGCCCCGG Haali Cfr10I CfoI HaeII NaeI KasI MaeI NgoMI KasI MaeI BsrFI BsrBI AcyI BfaI GGCGGCGGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA	<u>_</u>	BSTNI	Bsp12861	•	CITIOI
BsmI AspHI TaqI BsrFI 121 GGCCGCATTC CTGGGGGCCG GGCGGTGCTC CCGCCCGCCT CGATAAAAGG CTCCGGGGCC CCGGCGTAAG GACCCCCGGC CCGCCACGAG GGCGGGCGA GCTATTTTCC GAGGCCCCGG BsaHI Cfr10I CfoI HaeII HhaI NaeI KasI MaeI NagMI NarI XbaI BsrFI BsrBI AcyI BfaI GGCGGCGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA	运	MvaI	HgiAI	•	NaeI
GGCCGCATTC CTGGGGGCCG GGCGGTGCTC CCGCCCGCCT CGATAAAAGG CTCCGGGGCC CCGGCGTAAG GACCCCCGGC CCGCCACGAG GGCGGGCGA GCTATTTTCC GAGGCCCCGG GAGGCCCCGG GAGGCCCCGG GAGGCCCCGG GAGGCCCCGG Haeli Cfr101	, ,	~~~~~	~~~~~		~~~
CCGGCGTAAG GACCCCCGGC CCGCCACGAG GGCGGGCGGA GCTATTTCC GAGGCCCCGG BSaHI Cfr10I CfoI HaeII HhaI NaeI KasI MaeI NgoMI NarI XbaI BsrFI BsrBI AcyI BfaI GGCGGCGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA	•	BsmI	AspHI	TaqI	BsrFI
CCGGCGTAAG GACCCCCGGC CCGCCACGAG GGCGGGCGGA GCTATTTCC GAGGCCCCGG BSaHI Cfr10I CfoI HaeII HhaI NaeI KasI MaeI NgoMI NarI XbaI BsrFI BsrBI AcyI BfaI GGCGGCGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA	121	GGCCGCATTC CTGGGGGCCC	GGCGGTGCTC CCGCC	CGCCT CGATAAAAGG (CTCCGGGGCC
Cfr10I CfoI HaeII HhaI HinPlI NaeI KasI MaeI NgoMI NarI XbaI BsrFI BsrBI AcyI BfaI GGCGGCGGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA					
Cfr10I CfoI HaeII HhaI HinPlI NaeI NaeI NagoMI NarI BsrFI BsrBI Acyl BfaI GGCGGCGGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA			E	saHI	
HaeII HhaI HinPlI NaeI KasI MaeI NgoMI NarI XbaI BsrFI BsrBI AcyI BfaI GGCGCGGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA			•		
HaeII HhaI HinPlI NaeI KasI MaeI NgoMI NarI XbaI BsrFI BsrBI AcyI BfaI GGCGCGGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA		Cfr10I			
HhaI HinPlI NaeI KasI MaeI NgoMI NarI XbaI BsrFI BsrBI AcyI BfaI GGCGCGGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA			F		
HinPlI Nael Kasl Mael NgoMI Narl Xbal BsrFI BsrBI Acyl Bfal GGCGCGGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA			•	~~~~	
HinPlI Nael Kasl Mael NgoMI Narl Xbal BsrFI BsrBI Acyl Bfal GGCGCGGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA	· ·			HhaI	
Nael Kasl Mael NgoMI Narl Xbal BsrFI BsrBI Acyl Bfal GGCGCGGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA					
NgoMI NarI XbaI BsrFI BsrBI AcyI BfaI GGCGCGGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA		·			
NgoMI NarI XbaI BSrFI BSrBI AcyI BfaI CONTROL TO THE STREET TO THE STR		NaeI			
BsrFI BsrBI AcyI BfaI 181 GGCGCGGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA	•				
BsrFI BsrBI AcyI BfaI 181 GGCGGCGGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA		_			
181 GGCGGCGCC CACGAGCTAC CCGGAGGAGC GGGAGGCGCC AAGCTCTAGA					
			~~~~~		
ccaccacca diacreania accrecica ccciccaca incananici	181				

(	c5-5						
		<b>←</b> SRE		-1-	MEF-2→		——
9	ggccgtcgc	c atatttggg	t gtccaccat	t cctcaccgc	t ctaaaaata	a ctcccgtga	g 60
	TEF-1	TEF-1		<b>←</b> SRE			
6					g tecegaggg	c ggacggccg	g 120
				•			
ć	ggccgcatto	ctgggggcc	g ggcggtgct	c ccgcccgcc	t cgataaaag	g ctccggggc	c 180
9	ggcggcggc	cacgageta	c ccggaggag	c gggaggcgc	c aagctctaga	a	230
		EagI					
		~~~~					
	1				TCCTCACCGC		
		GCCGGCAGCG	GTATAAACCC	ACAGGTGGTA	AGGAGTGGCG	AGATTTTAT	TGAGGGCACT
		ApaL:	I		•	BsmFI	
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		Alw4	4I			AvaI	EagI
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-	61				ATATTTGGGT TATAAACCCA		
ىە)	CCTTACCACG	IGGIAAGGAG	TOGGCAGCGG	TATAAACCCA	CAGGGCTCCC	GCCIGCCGGC
Figure	•		BstNI				Cfr10I
	-		EcoRII	. *			~~ NgoMI
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F	(MvaI			•	NaeI
		BsmI	~~~~			TaqI	BsrFI
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	121				CCCGCCCGCC		
		CCCGGCGTAA	GGACCCCCGG	CCCGCCACGA	GGGCGGCGG	AGCTATTTC	CGAGGCCCCG
					BanI		
						-~	
					BsaHI		
		Cfr10I			CfoI		
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					HaeII		
					HhaI	. <b>~</b>	
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			•		HinP1		
		NaeI			Kasī	MaeI	
		~~~			~~~~		
		NgoMI	•		NarI	XbaI	
		BsrFI			AcyI	BfaI	-
		~~~~			~~~~	~ ~~~~	•
					CGGGAGGCGC GCCCTCCGCG		

	c5-12					
		cttcggcacc atcctcac	SRE- ja cacccaaata		←TEF-1 tgaggaatgg	60
		4-MEF-2		MEF-1	MEF-	
	tggggagtta	tttttagagc ggtgaggaa	ng <u>gtgggcagg</u>	agcaggtgtt	ggcgctctaa	120
	-⊳ aaataactco	← MEF-2 cyggagttat ttttagage cyggagttat tyggagttag cyggagttag cyggagttag	 gg_gaggaatggt		SRE -> a atatggcgac	180
		← SRE				
	ggttcctcac	ccgtcgccat atttgggt	at degeceteg	g ccggggccg	c attcctgggg	240
	gccgggcggt	getecegece geetegata	a aaggeteeg	g ggccggcgg	ggcccacgag	300
	ctacccggag	gagcgggagg cgccaagct	c taga	•		334
		EagI	FokI			
	1	CGGCCGTCCG CCTTCGGCAC GCCGGCAGGC GGAAGCCGTC	CATCCTCACG GTAGGAGTGC	ACACCCAAAT TGTGGGTTTA	ATGGCGACGG TACCGCTGCC BapMI	GTGAGGAATG CACTCCTTAC
				В	ovI	
	61	GTGGGGAGTT ATTTTTAGAC	CGGTGAGGAA	GGTGGGCAGG	CAGCAGGTGT	TGGCGCTCTA
	01	CACCCTCAA TAAAAATCTC	GCCACTCCTT	CCACCCGTCC	GTCGTCCACA	ACCGCGAGAT
igure 10	121	SmaI XmaI AvaI	A TTTTTAGAGC	GGAGGAATGG	: TGGACACCCA	AATATGGCGA
SD	101	TTTTATTGAG GGCCCTCAA	r aaaaatctcg	CCTCCTTACC	ACCTGTGGGT	TTATACCGCT
						BstNI
				•		EcoRII
		•				MvaI
		•		E	agI I	3smI
	181	CGGTTCCTCA CCCGTCGCC. GCCAAGGAGT GGGCAGCGG	A TATTTGGGTG T ATAAACCCAC	TCCGCCCTCG AGGCGGGAGC	GCCGGGGCCGGC	CATTCCTGGG GTAAGGACCC
		BmyI				
		~~~~~			NgoMI	
		BsiHKAI		_		
		Bsp12861			Cfr10I	
	•	HgiAI			NaeI	
		AspHI	TaqI		BsrFI	•
	241	GGCCGGCCGC ACGAGGCCG	C CGCCTCGATA G GCGGAGCTAT	AAAGGCTCCG TTTCCGAGGC	GGGCCGGCGG	CGGCCCACGA GCCGGGTGCT
	•		BsaHI			
			KasI	MaeI		
			NarI	 XbaI		
				BfaI		
			AcyI			
	301	GCTACCCGGA GGAGCGGGA CGATGGGCCT CCTCGCCCT	G GCGCCAAGCT C CGCGGTTCGA	CTAGA GATCT		

	c6-5	4- 000		MEP-2		MEF-1		
	ggccgtcg	SRE scatter					60	
		EP-1→	SRE	_		MEF-1		
	gccaacac	ct gctgcctgcc					120	
		SRE-						
	acacccaa	at atggcgacgg	ссддддссдс	attcctgggg	gccgggcggt	gctcccgccc	180	
	acet colat	aa aaggctccgg	aaccaacaa	ggcccacgag	ctacccqqaq	qaqcgggagg	240	
	gccccg <u>a</u> c	<u>aa aa</u> ggccccg	350055055	. 335-3			254	
	cgccaago	tc taga					234	
		•						
		MscI						
•	*	EagI						MluNI
		<del>.</del>		mamaga amar	ааааатааст	רריפפראפפר	AGCAGGTY	~ 37T
	1	CGGCCGTCGC GCCGGCAGCG	GTATAAACCC	ACAGGCGAGA	TTTTTTTTGA	GGGCCGTCCG	TCGTCCA	CAA
		MscI						BsmFI
		MluNI						~~
Figure 17	61	GGCCAACACC	TGCTGCCTGC	CGACACCAAA	TATGGCGACG ATACCGCTGC	GGGCAGGCAG	CAGGTGT	TGG ACC
رده (	•	CCGGTTGTGG	ACGACGGACG	GCIGIGGIII	ATACCGCTGC			
							BmyI 	
₽.	· ·				EcoRII	Ba	SIHKAI	
.84	U				BstNI	Bs	p1286I	
T T					MvaI	 но	jiAI	
					~~~~	~-		
		BsmFI			BsmI ~~~~~	~-	эрні 	
	121	GACACCCAAA	TATGGCGACG	GCCGGGGCCG	CATTCCTGGG GTAAGGACCC	GGCCGGGCGG	TGCTCCC	GCC CGG
		CTGTGGGTTT	ATACCGCTGC	CGGCCCCGGC	GIAAGGACCC	CCGGCCCGCC	Acaraca	
								BanI ~
				Cfr10I				BsaHI ~
				~~~~~				HaeII
				Nect	•			~ KasI
		•		Nael				~
				NgoMI				NarI ~
		TaqI		BsrFI				AcyI ~
	181	CGCCTCGATA	AAAGGCTCCG	GGGCCGGCGG	CGGCCCACGA	GCTACCCGGA	GGAGCGG	GAG
	101	GCGGAGCTAT	TTTCCGAGGC	CCCGGCCGCC	GCCGGGTGCT	CGATGGGCCT	CCTCGCC	CTC
		BanI						
	*							
		BsaHI						
		CfoI						
		HaeII						
		HhaI						
		HinP1I						
		KasI	MaeI					

(	c6-16				·			
			SRE →>		MEF-1	→ MEF-1		
•	ggccgaggg	ggacaccaaa	tatggcgacg	gggcaggcag	caggiging	ggcaggcagc	60	
	<b>✓</b> ► MEF-1	MEF-1		SRE-	<b>→</b>	← MEF-1	_	
-[	aggtgttgg	caacacctgo	tgcctgccga	a cacccaaata	tggcgacgg	gcaggcagca	120	
				000				
1	MEF-1	<b>d</b> —ME g gagttatttt		SRE -		gaaaccacat	180	
	ggcgccggg	g gagecacec	Lagagegga	<u>ucccuaucu</u>		33333		
	tcctggggg	cgggcggtgc	tcccgcccgc	ctcgataaaa	ggctccgggg	g ccggcggcgg	240	
							282	
	cccacgagct	acccggagga	gegggaggeg	Ccaageteta	ı ya		202	
		EagI						
	1	CGGCCGAGGG	CGGACACCAA	ATATGGCGAC	GGGGCAGGCA	GCAGGTGTTG	GGGCAGGCAG	
		GCCGGCTCCC	GCCTGTGGTT	TATACCGCTG	CCCCGTCCGT	CGTCCACAAC	CCCGTCCGTC	
		Msc	•т		•			
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		MluN	)I					
	-	as comoraco	CCNACACCTG	стесстессе	ACACCCAAAT	ATGGCGACGG	GGCAGGCAGC	
	61	GTCCACAACC	GGTTGTGGAC	GACGGACGGC	TGTGGGTTTA	TACCGCTGCC	CCGTCCGTCG	
						Eagl	Bsm	_
Q)	121	AGGTGTTGGG	GGAGTTATTT	TTAGAGCGGA	CACCCAAATA	TGGCGACGGC	CGGGGCCGCA	
	222	TCCACAACCC	CCTCAATAAA	AATCTCGCCT	GTGGGTTTAT	ACCGCTGCCG	GCCCCGGCGT	
Joure	n ·		D	-7				
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<u> </u>	(	ECORII	Bsil	HKAI			NgoMI	
							Cfr10I	
		BstNI	Bsp.	12861				
		MvaI	Hgi	AI	•		NaeI	
							BerFI	
		BsmI	Aspl	HI	TaqI		DB1F1	
	181	TTCCTGGGGG	CCGGGCGGTG	CTCCCGCCCG	CCTCGATAAA	AGGCTCCGGG	GCCGGCGGCG	
	101	AAGGACCCCC	GGCCCGCCAC	GAGGGCGGGC	GGAGCTATTT	TCCGAGGCCC	CGGCCGCCGC	
				. Baı	n T			
				. 50.				
				Bsal	HI			
				_	~~~~			
				Cfe	~~~			
				Hae	II			
				Hh	aı ~~~			
					nP1I			
						_		
				Ka	-	eI ~~~		
				Na:				
				Ac				
	241	GCCCACGACC	TACCCGGAGG	AGCGGGAGGC		AGA		
	241	CGGGTGCTCG	ATGGGCCTCC	TCGCCCTCCG	CGGTTCGAGA	TCT		

	c6-39						
			SRE -		MEF-2		
	ggccgtccgc	cctcgggaca	cccaaatatg	gcgacggcgc	tctaaaaata	actcccccaa	d 60
	MEF-1-	•	SRE -		<b>←</b> MEF-	1 MEF-	2
	cacctgctgc	ctgccgacac			ggcagcaggt	gtttggcgct	120
	MEF-2	<u> </u>					100
	ctaaaaataa	ctccccccga	gggcggacgg	ccggggccg	attectgggg	g geegggeggi	180
	getecegeee	gcctcgataa	aaggeteegg	ggccggcgg	ggcccacgag	g ctacccggag	j 240
	gagcgggagg	cgccaagctc	taga				264
	• • • • • • • • • • • • • • • • • • • •						
		EagI	BsmFI				
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	1 .	CGGCCGTCCG GCCGGCAGGC	CCCTCGGGAC GGGAGCCCTG	TGGGTTTATA	CCGCTGCCGC	GAGATTTTTA	TTGAGGGGGT
	61	ACACCTGCTG	CCTGCCGACA	CCCAAATATG	GCAACGGGGC	NAGGCAGCAG	GTGTTTGGCG
	01	TGTGGACGAC	GGACGGCTGT	GGGTTTATAC	CGTTGCCCCG	NTCCGTCGTC	CACAAACCGC
						BstNI	
						22222	•
2						EcoRI	Ţ
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<b>=</b>				,	Pagt	BsmI	•
$\equiv$					EagI 		
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Ŧ	1 121	GAGATTTTTA	TTGAGGGGGG	CTCCCGCCTG	CCGGCCCCGG	CGTAAGGACC	CCCGGCCCGC
						•	
		BmyI	٠				•
		BsiHKAI			NgoMI		
		DSING!					
		Bsp1286I		•	Cfr10I		
		~~~~			Naot		
		HgiAI			NaeI ~~~~~		
		AspHI	TaqI		BsrFI		
			~~~~		~~~~		
	181	GTGCTCCCGC	CCGCCTCGAT	AAAAGGCTCC	GGGGCCGGCG	GCGGCCCACG	AGCTACCCGG
		CACGAGGGCG	GGCGGAGCTA	TTTTCCGAGG	CCCCGGCCGC	CGCCGGGTGC	TCGATGGGCC
			BanI				
			~~~~				
			BsaHI	•			
			~~~~	_			
			KasI	MaeI			
			NarI	XbaI			
			Nail	~~~~			
		BsrBI	AcyI	BfaI			
		~~~~~	~~~~				
	241		GGCGCCAAGC CCGCGGTTCG				•